

MTA Controls

Wed, Feb 28, 2007

Integration with Linac control system, event-driven

Need signals to be measured, their types and location.

For each front end:

Analog

- 64 analog channels, 8 (or more) D / A's , range ± 10 volts

- Magnet PS readings, D / A control

- Vacuum, other D.C. readings

- Beam-related signals, sample-and-holds

- Waveform digitizers, 10MHz

- Motors for multiwires

Digital

- 8 bytes of digital I/O

- Magnet status, on/off control

- Temperature klixons, water flow

Timing

- 8 timing channels per card

MuCool front ends currently installed

node0585	IRM, MTA building
node0586	IRM, Cavity vacuum Linac gallery
node0588	PPC, Timing, Linac gallery